



HYPEL® PEHD.7/.962

Entec Polymers - High Density Polyethylene

Tuesday, November 5, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Food Contact Acceptable • High Density
Agency Ratings	• FDA 21 CFR 177.1520
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.964		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	4600	psi	ASTM D638
Tensile Elongation (Break, 73°F)	400	%	ASTM D638
Flexural Modulus (73°F)	225000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	69		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, 0.250 in	179	°F	ASTM D648
Vicat Softening Temperature	264	°F	ASTM D1525 ²

Notes

¹ Typical properties: these are not to be construed as specifications.

² Rate A (50°C/h), Loading 1 (10 N)